Inspection for Sediment and Stormwater Control

The Inspection

On-site inspections after each phase of construction as well as periodic inspections are necessary to assure the proper functioning of soil erosion, sedimentation and stormwater control measures. Runoff conveyance, storage and structural practices require inspection after every rain that produces runoff. For vegetative practices, inspections should be made prior to seeding deadlines and during early growth stages to determine if any reseeding is needed.

All inspections should be documented by a written report, logs and/or checklist sheets. These reports should contain the date and time of inspections, dates when grading the site or phase of the site began, comments concerning the success of each practice, what corrective action may be needed and any verbal communications that took place as a result of the inspection. An example of an inspection log is shown in Figure 4.1.

Site inspectors should be knowledgeable in erosion, sediment and stormwater control principles and the installation, function and maintenance of such practices. If training is needed, then your state permitting office, the local Soil and Water Conservation District/U.S.D.A. Natural Resources Conservation Service office, or local government planning or engineering departments may be able to provide technical assistance.

The inspector should have a copy of the erosion and sediment control plan with drawings and specifications for all practices. This should include information on the amount of allowable sediment accumulation, design cross-sections, freeboard requirements and location of spoil areas.

The inspector may want to review the following example inspection form (Figure 4.1) before inspecting the site.

Figure 4.1 Example Site Inspection Form

Project Name and Identification: _____ Stage of Construction:_____

Inspection Date: _____ Next Inspection Needed: _____ Inspected By: _____

OK	Needs Attention	NA*	
			Pollutant Sources
❑	❑	❑	Are there any debris piles with petroleum cans, chemical containers or other sources of possible pollution?
			Erosion Control
❑	❑	❑	Are there any bare areas which require temporary or permanent stabilization? (seeding, mulch, other?_____)
❑	❑	❑	Are all finished cut and fill slopes adequately stabilized?
❑	❑	❑	Do any structural practices show evidence of overtopping, breaks or erosion?
❑	❑	❑	Are all earthen structures seeded and mulched? Is vegetation providing adequate protection?
			Sediment Control
❑	❑	❑	Are perimeter sediment trapping measures in place and functioning properly?
❑	❑	❑	Have sediment-trapping practices been installed in the proper location and before extensive grading begins?
❑	❑	❑	Is sediment leaving the site and/or damaging adjacent property?
❑	❑	❑	Is there mud on public roads or at intersections with public roads?
			Runoff Conveyance and Control
❑	❑	❑	Are all on-site drainage channels and outlets adequately stabilized? (channel lining, seeding, other_____; outlet stabilization _____)
❑	❑	❑	Are all operational storm sewer inlets protected so that sediment will not enter the system?
❑	❑	❑	Is there evidence of increased off-site erosion since the project began?
❑	❑	❑	Are downstream waterways and property adequately protected from increases in stormwater runoff?
			Maintenance
❑	❑	❑	Do any seeded areas require fertilizer, reseeding or additional mulch?
❑	❑	❑	Do any structural practices require repair or clean-out?
❑	❑	❑	Have temporary structural practices that are no longer needed been removed?

* Not Applicable

Figure 4.1 Example Site Inspection Form (continued)

OK	Needs Attention	NA*	**Other (continued from front):**
❑	❑	❑	Is any work occurring in streams? Is channel damage being minimized? Is stabilization or a temporary stream crossing needed?
❑	❑	❑	Are utility trenches being backfilled and seeded properly?

General Condition of Site:

Problems Noted and
Corrective Actions Recommended:

Sketch/Map

Other Observations:

Corrective Action Taken: **Date:**

Reviewed By: _____ **Reported To:** _____

* Not Applicable